



Maryland Technical Architecture Framework

**Introductory Meeting
July 28, 2004**





Agenda

- Introduction and Background
- EA Overview
- MTAF Overview
- Benefits
- Questions



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Introduction & Background





Welcome

- Importance of this project to the State
- Individual agencies doing outstanding work with standards, interoperability, and strategic planning projects
 - MDOT's Public Safety communication interoperability project
 - MEMA's Continuity of Operations
- Leverage this work and create a **unified** view of IT in the State



Welcome (Contd.)

- This project will create standards to:
 - Simplify procurements for system acquisition & services
 - Maximize use of existing technology
 - Share resources, data, and information
 - Make informed decisions during the planning cycle
 - Drive change in the State



Welcome (Contd.)

- **Top notch team of consultants from Thomas & Herbert Consulting, LLC**
 - Deep experience in the Federal agencies who are leading in Enterprise Architecture field- OMB, USPTO, HUD
- **Experienced State leadership – Kris Shelor**
 - Federal Enterprise Architecture Certification Program
 - 23 years managing large projects in the private sector
 - 4 years in State government



Project Highlights

- Synergy of Federal and State resources
- Communication
 - Seminars
 - ITAC
 - Training
 - Standard development workgroups
- One team concept
- Timeframe





Team Structure

THOMAS
&
HERBERT
CONSULTING LLC

Jireh
Consulting

Booz | Allen | Hamilton

TMI Solutions, Inc.
Technology, Management, and Intelligent Solutions

ASG
Software Solutions

consortia^{ea}
graham barrowman + associates





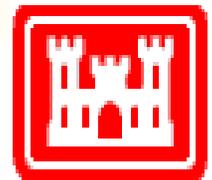
Team Structure (Contd.)





Relevant Experience

- Office of Management and Budget
- Housing Urban Development
- Defense Finance and Accounting Service
- US Patent & Trademark Office
- US Dept of Energy
- US Dept of Health & Human Services
- US Army Corps of Engineers





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What is EA?





Enterprise Architecture

“A business and performance-based framework to support cross-agency collaboration, transformation, and government-wide improvement. It provides a new way of describing, analyzing, and improving the Federal Government and its ability to serve the citizen.”

**The Federal Enterprise Architecture (FEA)
Program Management Office (PMO)**



Enterprise Architecture (Contd.)

“An overall plan for designing, implementing and maintaining the infrastructure to support the enterprises business functions and underlying networks and systems.”

National Association of State CIOs (NASCIO)



Enterprise Architecture (Contd.)

■ Standards



■ Governance

■ Metrics

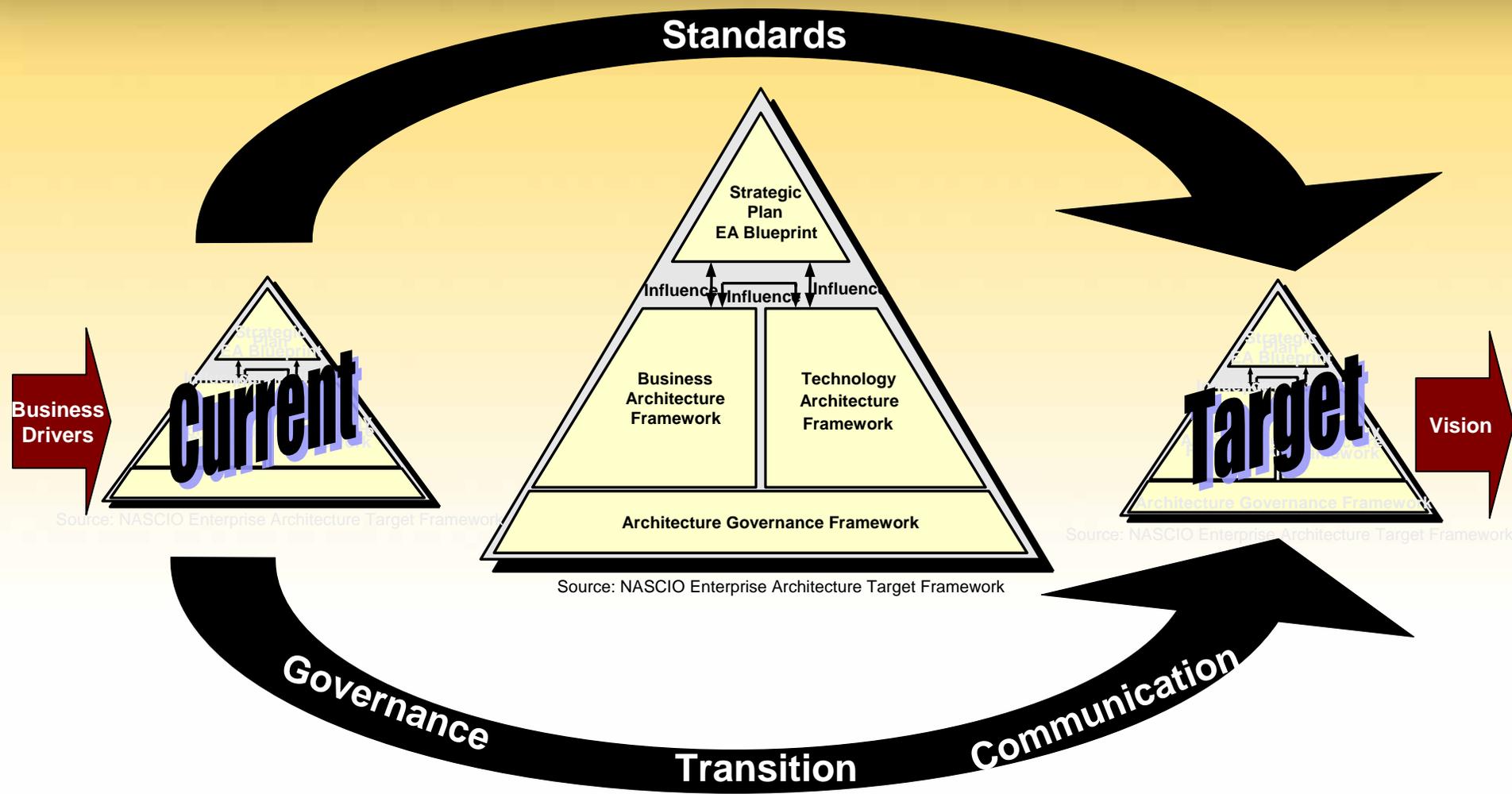
■ Frameworks

■ Models

■ Communication



Enterprise Architecture (Contd.)



Key Success Factors

- **Communications/Outreach**
 - Engaging stakeholders to participate in the development of making EA an ongoing part of the State's business
- **Governance**
 - The exercise of economic, political, and administrative authority to manage EA affairs at all levels
 - Quantitatively managing investments and assets in accordance with business mission, goals and objectives
- **Metrics**
 - Evaluating the EA program against standard criteria to gauge its level of success and on-going development

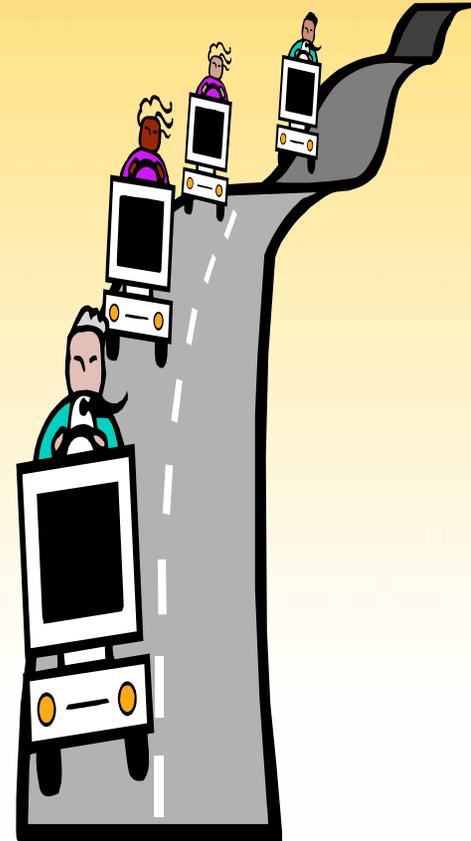
“EA is a business enabler”

Business Drivers

- The people, information, and tasks that support the fulfillment of a business objective
- The business needs which are the forces behind making changes within an organization
- Both internal and external
- Influenced by size, economic conditions, and service type

Sample Business Drivers

- Improve the State's ability to prevent and respond to terrorist incidents
- Provide faster service to citizens requiring public assistance
- eGov Initiative 50/65/80%- "The Digital Dozen"
- "With the completion of the core network anticipated by the end of fiscal 2004, it is the intent of the committees that, unless approved by the State Chief Information Officer, all State agencies utilize net.work.Maryland in fiscal 2005." – Joint Chairmen's Report 2004





Guiding Principles

- A statement of preferred direction or practice that support the way in which an organization sets to fulfill its mission
- Guidelines, rules, and constraints that are proven to have **enduring** permanent value
- Establishes a common ground to focus on statewide goals, mission, and vision
- Creates a manageable set of criteria for making decisions

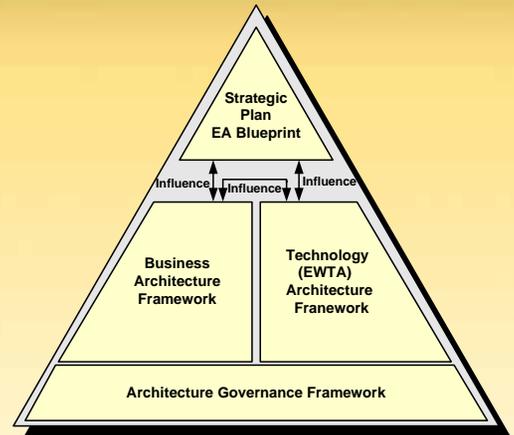
Sample Principles

- Define technology architectures and standards that are driven by and responsive to evolving state business needs
- Execute by standards
- Manage to our IT strengths
- Help state government operate in a customer-friendly, service-driven manner
- Maintain open, interoperable, and flexible architectures

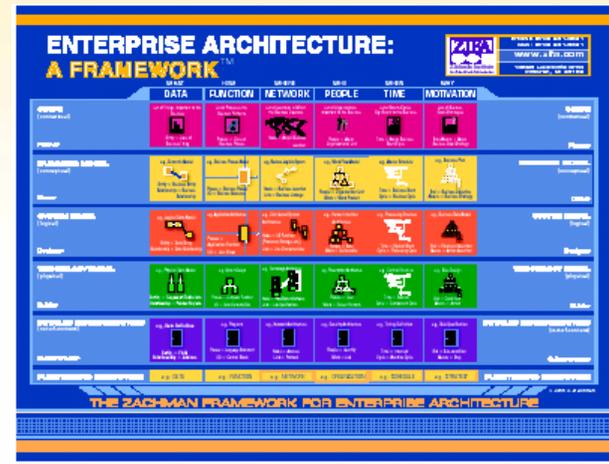


Frameworks

- A collection of viewpoints used to develop, classify, and **organize** architecture information at a conceptual level
- **Classifies** resources, standards, and best practices
- Establishes a **common** view and vocabulary for communication

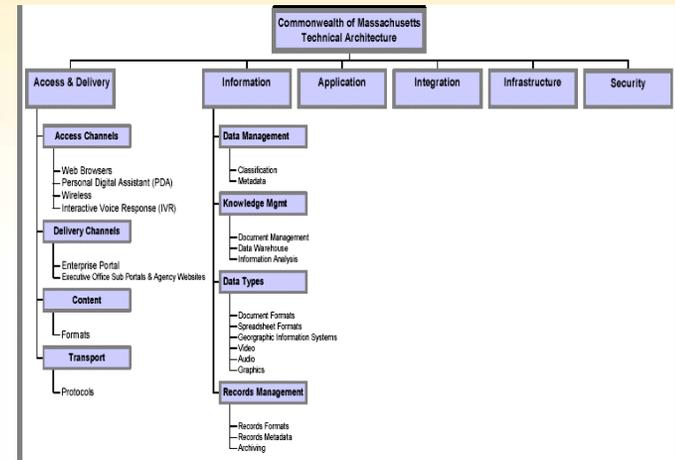
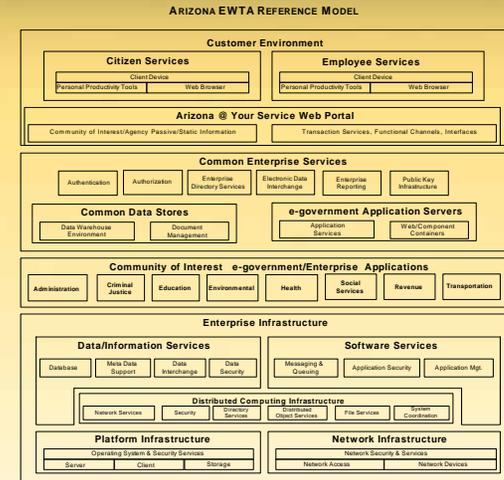


Source: NASCIO Enterprise Architecture Target Framework



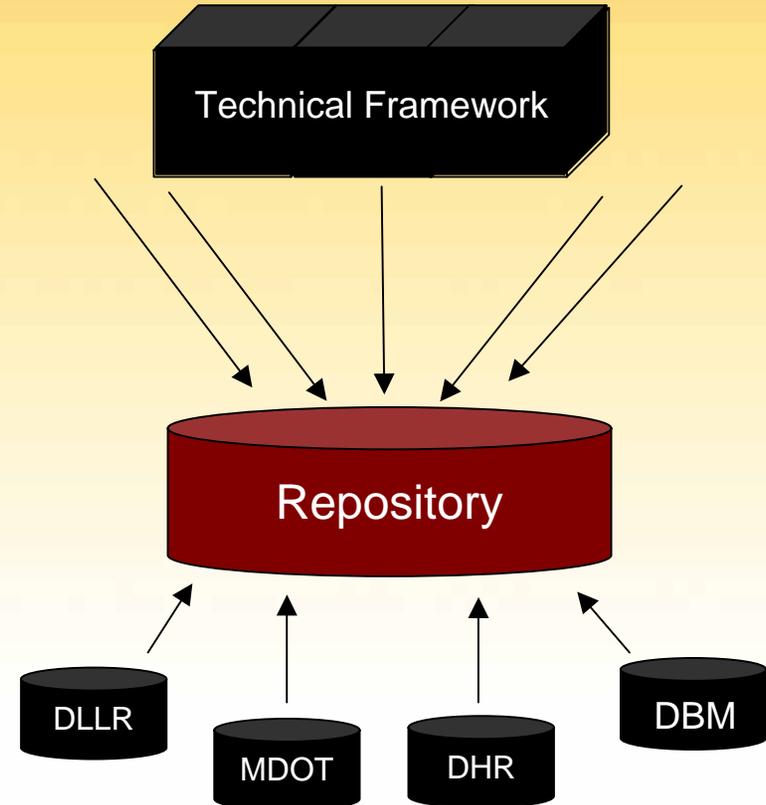
Reference Models

- Extends a common conceptual framework
- A taxonomy that outlines a discrete set of elements, service areas, categories, and relationships at a conceptual level
- Establishes a common structure and vocabulary for describing services and components



Repository

- An information system used to store and access architectural information, relationships among the information elements, and work products
- “All appropriate collected information and products should be placed in a centralized electronic EA repository” - **CIO Council**





What is the MTAF?

■ A Project to:

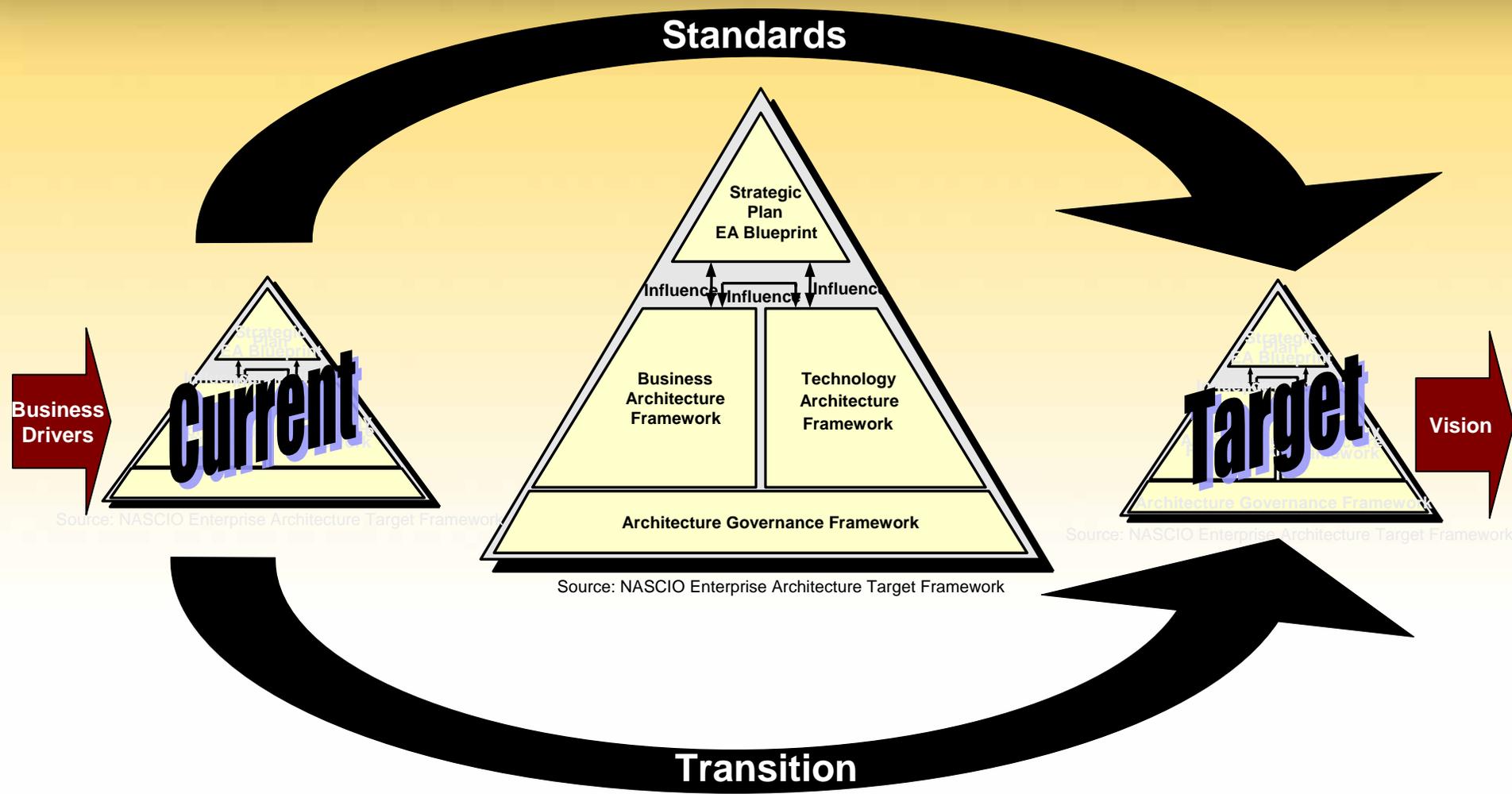
- Develop the Maryland Technical Architecture Framework
- Develop Technical Reference Model (TRM)
- Establish Standards
- Capture Business Drivers
- Outline Guiding Principles
- Deploy Web based Repository



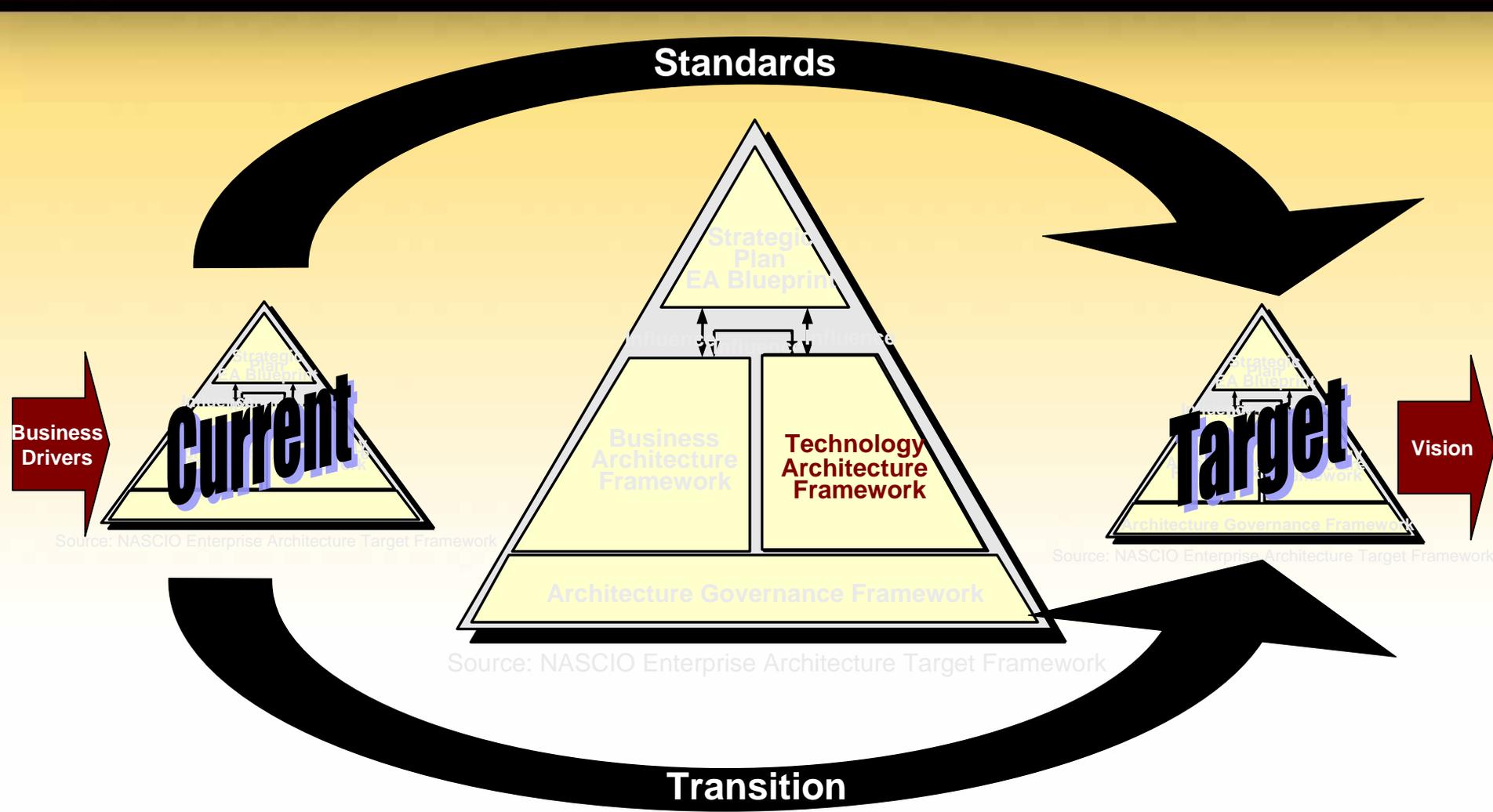
MTAF (Contd.)

Support the State's goal to establish Statewide IT standards and protocols, and continue to adopt new technologies that **improve services** and **provide efficiencies**

MTAF (Contd.)



MTAF (Contd.)





What will MTAF do for my Agency & the State?

- **Simplified Procurement**
 - Accelerate buying decisions
 - Focus on price and service rather than features and functions
- **Maximized Use of Technology**
 - Effective technology investment
 - Promotes reuse
- **Informed Decision Making**
 - Searchable repository
 - Reinforces communication to stakeholders





Benefits (Contd.)

Source: IDC, 2002





Benefits (Contd.)

Consistent use of IT standards enables companies to trim application development costs by 41% and end-user support and training costs by 17%

Hackett Book of Numbers



How can I meaningfully participate?



You Already Have!

- Seminar Participation
- Fiscal '05 IT Master Plans
- Continuity of Operations Plans
- Website information

- Provide existing:
 - Frameworks
 - Models
 - Standards
 - Repositories
- Participate in:
 - Validation sessions
 - Standards development
 - Future seminars



Schedule

Research and Document the State's Business Drivers	
Provide documentation or drivers	7/28/04 to 8/4/04
Participate in Validation Sessions	9/2/04 to 9/22/04
Define Guiding Principals and Templates	
Provide documentation or principles	8/2/04 to 8/17/04
Participate in Validation Sessions	9/2/04 to 9/22/04
Present Formal Architecture Awareness Seminars	
Participate in Seminar #2	11/19/04
Participate in Seminar #3	1/25/05
Participate in Seminar #4	2/24/05
Participate in Seminar #5	4/25/05



Schedule (Contd.)

Define Technical Standards for 2 Selected Service Areas within the TRM	
Provide inventory of products	9/23/04 to 11/30/04
Participate in building standards	9/23/04 to 11/30/04
Define Additional Selected Technical Standards to Complete 100% of the TRM	
Provide inventory of products	12/3/04 to 4/29/05
Participate in building standards	12/3/04 to 4/29/05



Contact Us

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Questions?





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Thank You

